



Ultra-Lacquer White Conversion Coating

DESCRIPTION

Ultra-Lacquer White Conversion Coating offers the durability of conversion varnish with the ease of application generally associated with precatalyzed lacquers. Formulated using European Polymer Technology, this product offers the high level of durability necessary for today's cabinetry and woodwork. For Wood Substrates Only. For Interior Use Only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
410-0024 Gloss 410-0025 Semi-Gloss 410-0026 Satin 410-0027 Flat	<p>Viscosity: 32 #4 Ford Weight Solids: 48.7-50.2 % Volume Solids: 32.3-34.2 % Weight/Gallon: 9.33-9.36 lbs./gal Coverage: 517-549 sq. ft. per gallon at one mil dry film thickness.</p> <p>VOC (coating): 4.42-4.57 lbs./gl. or 532-548 g/l VOC (material): 3.97-4.09 lbs./gl. or 476-490 g/l VOC Ratio: 0.84-0.90 lbs. VOC/lbs. solids HAPS Ratio: 0.0-0.0 lbs. HAPS/lbs. solids</p> <p>Dry Times: Air Dry: at 78°F, relative humidity 50% To touch: 5 minutes To Handle: 20-30 minutes To sand/recoat: 45 minutes Force Dry: Flash: 8-10 minutes Bake: 15 min @ 110° F Cool down: 15 min Stack 1 hour after cool down Relative humidity will affect the speed of drying. Ideal conditions are 75°F or warmer at 50% humidity or less. Dry time will be faster at higher temperatures and lower humidity and equally slower at colder temperatures and higher humidity.</p> <p>Dry Film Thickness: <i>Maximum DFT for the complete system should not exceed 5 mils.</i></p> <p>Pot Life: 60 days when maintained in a closed container @ 77°F</p> <p>Shelf Life Un-Catalyzed: 18 months @77° F if unopened and stored in a cool dry area. Always rotate stock.</p> <p>Storage: Keep away from heat or sparks.</p>	<p>Catalyzation: Use pre-packaged catalyst kit: This is equal to 1.47 oz of M1111 catalyst per 120 oz. of product. (1.2% by volume). Allow 20 minutes for induction.</p> <p>Reduction: Important: Always catalyze <i>BEFORE</i> reducing!</p> <p>Thinning: This product is supplied ready to spray (after catalyzation). If needed due to conditions in your facility use SOL-9059 HAPs Free Reducer or SOL-9011 HAPs Free Thinner at levels not to exceed 10% by volume*</p> <p>Retarder: If a slower dry time is desired, use SOL-9056 (PM Acetate), or SOL-9012 Haps Free Retarder at levels not to exceed 4% by volume*</p> <p>Tinting: May be tinted up to 4 ounces per gallon (3% by volume) with Chroma Flow 844 or Opticolor XP colorants. Do not use umber pigments. Never tint with Universal Colorants that contain Glycol.</p> <p>*Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning.</p> <p>Approved Companion Products 150-0013 CV Primer 150-0016 High Solids CV Primer</p> <p><i>Note: These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing as well as film thickness may give different results on actual work, but they may be used for comparison. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior notice.</i></p>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> ➤ 60 Day Pot Life! ➤ HAPs Free ➤ AIM Compliant ➤ 550 VOC Compliant ➤ Ultra Low Formaldehyde ➤ Resists Yellowing ➤ Self-Sealing ➤ Moisture Resistant ➤ No Critical Recoat Time ➤ Catalyst Supplied in Pre-Measured Containers ➤ Short Filled Containers To Allow For Tinting And The Addition Of Catalyst ➤ AWI System 3 When Applied Self-Sealing ➤ Exceeds KCMA Performance Requirements When Applied to Manufacturer's Specifications. ➤ Non Photo Chemically Reactive ➤ Phthalate Free 		

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PRODUCT DATA SHEET WHITE ULTRA LACQUER CONTINUED



Substrate preparation:

New wood: Remove any dirt, grease, glue or other contaminants. Moisture content of wood should be 7-9%. Sand to 150-180 grit. Proper sanding of wood is absolutely critical to achieve the best color development and adhesion of the coating to the substrate.

Old wood: Strip old finishes completely and remove all contaminants from the surface. Make sure the surface is dry, sand as required. Finish same as new wood.



Mixing Instructions:

Mix material thoroughly before and during use. Material may be mixed by hand or mechanical agitation at moderate speed. Catalyze 410-00XX Series Ultra Lacquer White with pre-packaged catalyst kit in a stainless steel or plastic lined container. Material should be agitated slowly while mixing in the catalyst. Rinse catalyst bottle with applicable solvent and add to product to ensure the material is properly catalyzed. Mix or agitate thoroughly for 20 minutes before use.



Application:

Using conventional, HVLP, airless, or air assisted equipment, apply this product at 3-4 wet mils per coat. Let dry a minimum of 45 minutes. Sand with 280-320 grit, no-fill sandpaper and remove sanding dust with clean compressed air, or tack rag. This product must be sanded in between coats to ensure proper adhesion.

This product may be used self-sealing or with an approved primer.

When used with a primer we recommend a coating system comprised of one coat of primer applied at 3-4 mils wet film build and 1-2 coats of topcoat applied at 3-4 mils wet film build. When used self-sealing we recommend 2-3 coats of 410-00XX Series applied at 3-4 mils wet film build. Please see the Approved Companion Products section of this document for a list of approved primers. Maximum dry film thickness of the complete system must not exceed 5 dry mils.



Recommended Tip Sizes:

Conventional Air	1.4-1.8mm
HVLP	1.5-1.9mm
Airless	10-15 thousandths
Air Assisted Airless-	11-15 thousandths



Precautions:

These products are intended for Professional use only. Do not proceed if you are planning on mixing with other finishing systems or other manufacturer's products. Gemini will not be held liable for finish failures due to the improper use of our products or deviation from our finishing recommendations

Equipment:

All equipment used with this product must have plastic, stainless steel, or Teflon fluid passages and wetted parts

Containers:

We supply this material in a lined container. All containers used in conjunction with storage and/or application of this product must be stainless steel, plastic, or otherwise acid resistant.

Clean up:

Use SOL-9059 Non HAPs Reducer or SOL-9011 Non HAPs Thinner to clean up all equipment. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

Care and cleaning of this finish: Use a mild dishwashing liquid and a damp cloth to remove food, grease, and other residue. Wipe dry. Do not use cleaners that contain ammonia, bleach, or abrasives as this may damage the finish.